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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/780,159	02/17/2004	Joseph DeMeo	KN P 0155	1270
42016 7	590 07/12/2006		EXAMINER	
KENSEY NASH CORPORATION			CHEN, VIVIAN	
EXTON, PA	LVANIA AVENUE 19341		ART UNIT PAPER NUMBER	
,			1773	
			DATE MAILED: 07/12/2006	6

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/780,159	DEMEO ET AL.	
Office Action Summary	Examiner	Art Unit	
	Vivian Chen	1773	
The MAILING DATE of this communication Period for Reply	appears on the cover sheet with	the correspondence addre	ess
A SHORTENED STATUTORY PERIOD FOR REWHICHEVER IS LONGER, FROM THE MAILING Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory properties to reply within the set or extended period for reply will, by some any reply received by the Office later than three months after the rearned patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMUNIC. R 1.136(a). In no event, however, may a repn eriod will apply and will expire SIX (6) MONTI statute, cause the application to become ABA	ATION. Note that the state of	
Status			
 1) Responsive to communication(s) filed on 2 2a) This action is FINAL. 2b) 3 Since this application is in condition for all closed in accordance with the practice und 	This action is non-final. Dwance except for formal matte	rs, prosecution as to the m	nerits is
Disposition of Claims			
4)	s/are withdrawn from considera	tion.	
Application Papers			
9) The specification is objected to by the Exam 10) The drawing(s) filed on is/are: a) Applicant may not request that any objection to Replacement drawing sheet(s) including the co 11) The oath or declaration is objected to by the	accepted or b) objected to by the drawing(s) be held in abeyand rrection is required if the drawing(s	e. See 37 CFR 1.85(a).) is objected to. See 37 CFR	• •
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for force a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the application from the International Bu * See the attached detailed Office action for a	nents have been received. nents have been received in Appriority documents have been received in Appriority documents have been received.	plication No eceived in this National Sta	age
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948 Information Disclosure Statement(s) (PTO-1449 or PTO/SE Paper No(s)/Mail Date 4/2/04;8/24/05. 		Mail Date ormal Patent Application (PTO-15	52)

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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Group I in the reply filed on 3/29/2006 is acknowledged.

2. Claims 5-6, 8-22, 41 withdrawn from further consideration pursuant to 37 CFR 1.142(b)

as being drawn to a nonelected invention, there being no allowable generic or linking claim.

Election was made without traverse in the reply filed on 3/29/2006.

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 3, 29 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as

the invention.

In claim 3, 29, "DLPLA" appears to be a typographical error or is not defined in the specification.

Claim Rejections - 35 USC § 103

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3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1-4, 23-24, 28-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over NAKAMURA ET AL (US 2003/0146541), in view of BURKHEAD ET AL (US 2001/0004693).

NAKAMURA ET AL '541 discloses a bone connecting device have a head and shank portion, wherein the shank is molecularly oriented and a head portion which is heated and reshaped and reshaped to have a wider cross-section than the shank portion, wherein the shank portion has regions of lesser and greater orientation. The device comprises a bioabsorbable polymer (e.g., polylactic acid, polyglycolic acid, etc.) and optional reinforcing additives (e.g., alumina, zirconia, etc.). (Figures 3-3C, 6B; paragraphs 0033, 0051, 0059) However, the reference fails to explicitly disclose a device in which the head has less orientation than the shank portion.

BURKHEAD ET AL discloses that it is well known in the art to have the region of reinforcement resulting from molecular orientation concentrated in the shank portion of a bone fixing device and leaving the head portion of a bone fixing device with less reinforcement (i.e., molecular orientation) than the shank portion. (Figure 4A-4D).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to make an implantable article having varying regions of self-reinforcement

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via molecular orientation in order to selectively increase the mechanical properties in high stress regions. The Examiner has reason to believe that the reheating and forming operations used in NAKMURA ET AL to reshape the head portion would at least partially disrupt the molecular orientation in the head portion, thereby producing a head portion with lesser molecular orientation than the shank portion. Regarding claims 23-24, 32-39, the recited steps are productby-process limitations and is not further limiting in as so far as the structure of the product is concerned. "[E]even though product-by-process claims are limited by and defined by the process, determination of patentability is based on the product itself. The patentability of a product does not depend on its method of production. If the product in the product-by-process claim is the same or or obvious from a product of the prior art, the claim is unpatentable even though the prior product was made by a different process." [emphasis added] In re Thorpe, 777 F.2d 695, 698, 227 USPQ 964, 966 (Fed. Cir. 1985). See MPEP 2113. Once a product appearing substantially identical is found, the burden shifts to applicant to show a unobvious difference between the claimed product and the prior art product. In re Marosi, 710 F.2d 798, 802, 218 USPO 289, 292 (Fed. Cir. 1993). See MPEP 2113. If the product in a product-byprocess claim is the same as or obvious from a product of the prior art, the product is unpatentable even though the prior product was made by a different process. The patentability of a product is based on the product itself, and is not dependent on its method of production.

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Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vivian Chen whose telephone number is (571) 272-1506. The examiner can normally be reached on Monday through Thursday from 8:30 AM to 6 PM. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carol Chaney, can be reached on (571) 272-1284. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

The General Information telephone number for Technology Center 1700 is (571) 272-1700.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

July 7, 2006

Vivian Chen Primary Examiner Art Unit 1773